

HIGH SAFETY LEVEL CONTROLLER

MODEL 231

CONDUCTIVITY CONTROLLER FOR HIGH LEVEL ALARM WITH SELF-CHECKING AND BLOCKING (SIL-3) 2014/68/UE (PED) – B+D

DESCRIPTION

Electronic controller with self-diagnosis for low level alarm and system blocking according to European directive 2014/68/EU (PED) with B+D (SIL-3) certificate.

To be used together with the 800 series probe for high level alarm in steam boilers or other pressure equipment requiring a redundant level alarm system.

TECHNICAL FEATURES

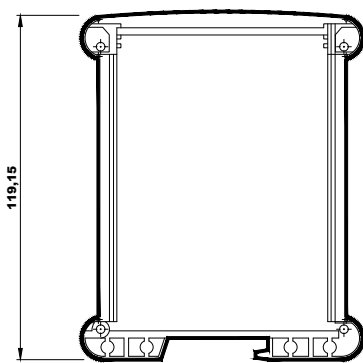


SAFETY INTEGRITY LEVEL	SIL 3
ELECTRONIC PROCESSOR	Digital signal
DOUBLE CIRCUIT FOR CONDUCTIVITY MEASUREMENT	With compensation electrode
6 DIFFERENT SELF-DIAGNOSTICS	1 minute periodicity
LOCKOUT CIRCUIT	Positive safety burner
NUMERICAL DISPLAY	With alarm code
TEST BUTTON	Manual in standard version
OUTPUT RELAYS	2 switched relays 230V – 2.5 A – AC1
MINIMUM WATER CONDUCTIVITY	0.5 µS/cm.
POWER SUPPLY	24V AC/DC – 115 / 230 VAC
POWER CONSUMPTION	3 VA

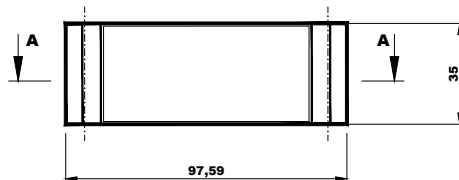
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WARNING
To terminals 13 and 14
only connect wires coming
from the probe 800

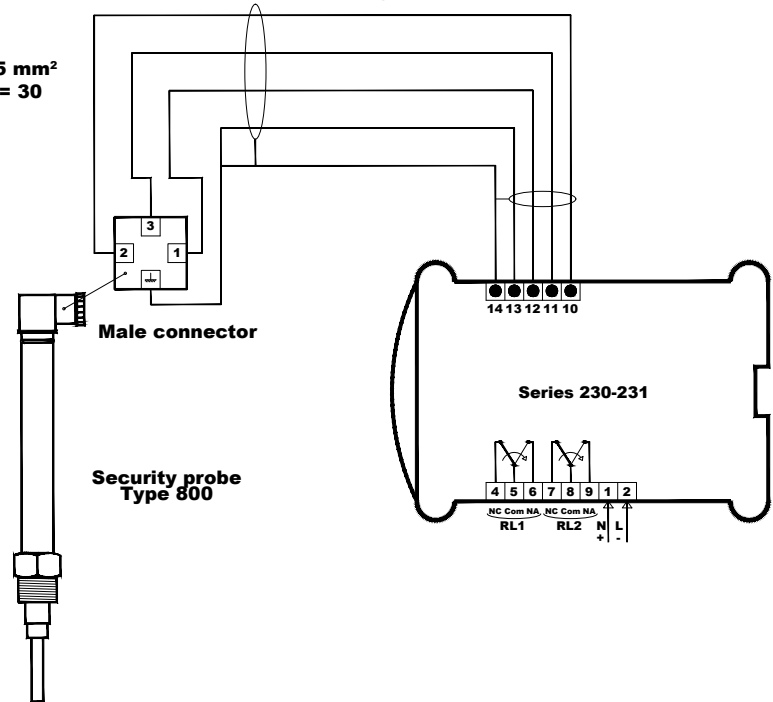
Typical Wire
4 x 0.5 or 4 x 0.25 mm²
+ jacket 3m ≤ L ≤ 30



SECTION A-A



DIMENSIONS



WIRING DIAGRAM

